



For contract construction projects

W20-1(O)-48

For maintenance and utility projects

W21-4(O)-48

W21-1a(O)-48

Or

W21-1110(O)-48

TYPICAL APPLICATIONS

Utility operations
Culvert extensions
Side slope changes
Guardrail installation and maintenance
Delineator installation
Landscaping operations
Shoulder repair
Sign installation and maintenance

GENERAL NOTES

This Standard is used where at any time, any vehicles, equipment, worker or their activities will encroach in the area closer than 4.5 m (15') up to the edge of pavement.

* Cones, drums or barricades at 8 m (25') centers for L/3 distance, 15 m (50') centers through remainder of work area when work occurs within 600 mm (24") of the edge of pavement.

Shoulder tapers should have a minimum length of L/3.

Where L is:

SPEED LIMIT

FORMULAS

70 km/h (40 mph) or less: Metric $L = \frac{WS^2}{150}$ (English) $L = \frac{WS^2}{60}$

80 km/h (45 mph) or greater: $L = 0.65(W)(S)$ $L = (W)(S)$

W = Width of offset in meters (feet).

S = Normal posted speed km/h (mph).

All dimensions are in millimeters (inches) unless otherwise shown.

SYMBOLS

Work area

Sign

Cone, drum or barricade

Illinois Department of Transportation	
APPROVED January 1, 1997	ISSUED 1-1-97
ENGINEER OF OPERATIONS <i>[Signature]</i>	
APPROVED January 1, 1997	
ENGINEER OF DESIGN AND ENVIRONMENT <i>[Signature]</i>	

DATE	REVISIONS
1-1-97	Renum. Standard 2314-9. Deleted orange flags.
10-1-95	Revised 1st and 2nd G.N. and work area.

**OFF-ROAD OPERATIONS, MULTILANE
LESS THAN 4.5 M (15') AWAY
FOR SPEEDS \geq 45 MPH**

STANDARD 701101